



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

7969-419

Date of Issuance:

1/14/21

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Teraxxa F4 Seed Treatment

Name and Address of Registrant (include ZIP Code):

Christine Keating
Team Leader, Federal Registrations
Agricultural Solutions
BASF Corporation
26 Davis Dr.
Research Triangle Park, NC 27709

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Date:

Dr. Jennifer Saunders, Chief
Invertebrate & Vertebrate Branch 1, Registration Division
(7505P)

1/14/21

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 7969-419.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 03/06/2020
- Alternate CSF 1 dated 03/06/2020
- Alternate CSF 2 dated 03/06/2020
- Alternate CSF 3 dated 03/06/2020

If you have any questions, please contact Jennifer Gaines by phone at (703) 305-5967, or via email at gaines.jennifer@epa.gov.

Enclosure



We create chemistry

Broflanilide	Group	30	Insecticide
Triticonazole	Group	3	Fungicide
Metalaxyl	Group	4	Fungicide
Fluxapyroxad	Group	7	Fungicide
Pyraclostrobin	Group	11	Fungicide

Teraxxa™ F4

Seed Treatment

Alternate Brand Names: Teraxxa™ F4 Insecticide and Fungicide Seed Treatment, Teraxxa™ F4 Insecticide/Fungicide Seed Treatment, Teraxxa™ F4 Insecticide & Fungicide Seed Treatment

ACCEPTED

Jan 14, 2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 7969-419

For commercial and on-farm use

Seed treatment for insect and disease control in wheat (all types), barley, millet, oats, rye, sorghum, and triticale

Active Ingredients*:

broflanilide: 3-(benzoylmethylamino)-N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]-2-fluorobenzamide	1.55%
fluxapyroxad: 1 <i>H</i> -Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-	0.78%
pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1 <i>H</i> -pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester)	1.55%
triticonazole: 5-[[4-(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1 <i>H</i> -1,2,4-triazol-1-ylmethyl)cyclopentanol	1.55%
metalaxyl: <i>N</i> -(2,6-dimethylphenyl)- <i>N</i> -(methoxyacetyl) alanine methyl ester	0.93%

Other Ingredients: 93.64%

Total: 100.00%

* Contains 0.139 lb of broflanilide, 0.070 lb of fluxapyroxad, 0.139 lb of pyraclostrobin, 0.139 lb of triticonazole, and 0.083 lb of metalaxyl per U.S. gallon.

EPA Reg. No. 7969-XXX

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See full label for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific pest, crop, and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

FIRST AID

If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• DO NOT induce vomiting unless told to do so by a poison control center or doctor.• DO NOT give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.• Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none">• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Harmful if inhaled. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or viton \geq 14 mils
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing/PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Physical and Chemical Hazards

DO NOT mix or allow the product to come into contact with oxidizing agent. Hazardous chemical reaction may occur.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. **DO NOT** apply where runoff is likely to occur.

This product has the potential to impact surface water quality because of runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater.

Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect spilled seeds.

This product is highly toxic to bees and other pollinating insects exposed to direct treatment or residues on blooming crops or weeds. **DO NOT** apply this product or allow it to drift to blooming crops or weeds while bees or other pollinating insects are foraging in the treatment area.

Groundwater Advisory

Broflanilide, fluxapyroxad, metalaxyl, and pyraclostrobin have properties and characteristics associated with chemicals detected in groundwater. These chemicals have the potential to leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching aquatic sediment via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of broflanilide, fluxapyroxad, pyraclostrobin, triticonazole, or metalaxyl or their degradates from runoff water and sediment.

Runoff of this product will be reduced by avoiding application when rainfall is forecast to occur within 48 hours.

Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the user's possession during application. Read the entire **Directions For Use** and **Conditions of Sale and Warranty** before using this product.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Dispose of all excess treated seed in accordance with local requirements.

Teraxxa™ F4 seed treatment is not for sale, distribution, or use in **Nassau and Suffolk counties in New York State**.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **24 hours**.

EXCEPTION: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves (made of any waterproof material)
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed.

Pesticide Disposal

Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity \leq 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity $>$ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

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STORAGE AND DISPOSAL (continued)

Container Handling (continued)

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Steps to take if this material is released into the environment or spilled:

- In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Product Information

Teraxxa™ F4 seed treatment is a liquid ready-to-use water-based formulation insecticide and broad-spectrum fungicide.

Teraxxa F4 controls wireworms all season long.

Teraxxa F4 protects seeds and seedlings from specified seedborne and soilborne diseases and increases emergence and plant stands resulting in improved plant health.

Seed treatment applications with **Teraxxa F4** have been associated with more rapid and increased emergence of seedlings under certain cold conditions.

Teraxxa F4 contains an EPA-approved dye that imparts an unnatural color to the treated seed to prevent its accidental use as a food for man or feed for animals. Refer to 21 CFR, Part 2.25.

Mode of Action

Teraxxa F4 is a seed treatment product containing an insecticide and four fungicide active ingredients from different fungicide groups that have distinct modes of action.

- Broflanilide is classified by the Insecticide Resistance Action Committee (IRAC) as a **Group 30** insecticide (GABA-gated chloride channel allosteric modulators).
- Pyraclostrobin is classified as a target-site-of-action **Group 11** fungicide.
- Fluxapyroxad is classified as a target-site-of-action **Group 7** fungicide.
- Triticonazole is classified as a target-site-of-action **Group 3** fungicide.
- Metalaxyl is classified as a target-site-of-action **Group 4** fungicide.

Resistance Management

Teraxxa F4 contains broflanilide, a **Group 30** insecticide. Any insect population may contain individuals naturally resistant to **Teraxxa F4** or other **Group 30** insecticides. These resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Although insecticide resistance cannot be predicted, a general rule to reduce the onset of resistance is to not consecutively and repeatedly apply **Group 30** insecticides during a growing season for control of particular insects. Where possible, multiple pest control tools in addition to chemical control should be used as part of an Integrated Pest Management (IPM) approach. BASF encourages responsible product stewardship to ensure effective long-term control of the insects on this label. Consult your state or local agricultural authorities or your BASF representative for more specific details on insect resistance management strategies.

Teraxxa F4 also contains four fungicide active ingredients with four distinct modes of action. Any fungal population may contain individuals naturally resistant to **Teraxxa F4**, and other **Group 3**, **Group 4**, **Group 7**, and **Group 11** fungicides. A gradual or total loss of pest control may

occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

Because of the minimal amount of **Teraxxa F4** applied to the seed that relocates to the upper parts of the plant and the multiple modes of action, the potential for development of resistance is low. Seed treatments of **Teraxxa F4** can, therefore, be followed by foliar use and resistance management guidelines of foliar use products containing the same modes of action as specified on the respective labels.

The following may delay the development of resistance:

1. **Applications** - Follow label use directions about the consecutive use of **Teraxxa F4** or other target-site-of-action **Group 30** insecticides or **Group 3**, **Group 4**, **Group 7**, and/or **Group 11** fungicides with a similar site of action on the same pathogens. Use at least the minimum labeled rate of each pesticide.
2. **Integrated Pest Management (IPM)** - To incorporate **Teraxxa F4** into an IPM program, follow cultural practices known to reduce insect and disease development. Consult your local extension specialist, certified crop advisor, and/or BASF representative for additional IPM strategies established for your area. **Teraxxa F4** may be used in agricultural extension advisory programs that recommend application timing based on environmental factors favorable for insect and disease development.
3. **Monitor** - Monitor efficacy of all insecticides and fungicides used in the IPM program against the targeted pests and pathogens and record other factors that may influence insecticide or fungicide performance and/or disease development.
4. **Report** - If **Teraxxa F4** appears to be less or no longer effective against an insect or disease pest it previously controlled or suppressed, contact a BASF representative, local extension specialist, or certified crop advisor to help determine the cause of reduced performance.

Application Instructions

- Use **Teraxxa F4** in commercial seed treatment facilities using closed-system application techniques and on-farm systems with commercial or professional seed treatment application equipment only.
- **DO NOT** apply directly into planter box.
- Use good quality, well-conditioned seed free of chaff.
- Thorough and uniform seed coverage is required for optimum performance.
- Mix only as much product as is needed for immediate application to seed.
- Apply the water-based mixture using standard slurry or mist-type seed treatment application equipment. Consult a seed treatment specialist about crop-specific slurry

rates for the crop seed to be treated with **Teraxxa™ F4 seed treatment** and seed treatment calibration and operation procedures.

Tank Mixing Information

Tank Mix Partners

When using **Teraxxa F4** in a tank mixture with other seed treatment products, follow all directions for use, crops/sites, use rates, dilution ratios, precautions, restrictions, and limitations on the tank mix partner label.

DO NOT exceed label dosage or application rate. The most restrictive label precautions, restrictions, and limitations must be followed. **Teraxxa F4** must not be mixed with any product that prohibits such mixing.

Compatibility Test for Tank Mix Components

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

When tank mixing **Teraxxa F4**, always test compatibility before use by performing a jar test as follows:

1. Add all intended seed treatment products and the appropriate amount of water in a clear glass jar.
2. Mix well and allow to sit for one hour.
3. Remix and observe for physical incompatibility.

Also test with the seed to ensure the combination of tank mix products does not have detrimental effects on the seed.

Mixing Order

For containers 5 gallons or less, shake well before use. For containers greater than 5 gallons, recirculate before use.

1. **Water** - Add 3/4 of the required volume of water to the mix tank and turn on agitation.
2. **Agitation** - Mechanical agitation is required for proper mixing of **Teraxxa F4**.
3. **Dye or colorant**
4. **Wettable powders**
5. **Soluble powders**
6. **Flowable formulations** (such as **Teraxxa F4**)
7. **Emulsifiable concentrates**
8. **Water** - Remaining 1/4 of required water volume is added last and can be used as rinsate for the chemical container or to adjust the total slurry to compensate for water displacement by powdered products.

Maintain agitation until the entire slurry mixture has been used.

Ensure seed is dry before bagging.

Plant Back Intervals (PBIs)

- No minimum waiting period or plant back interval before replanting the field with a small grain crop registered for this product (e.g., wheat (all types), barley, millet, oats, rye, sorghum, and triticale) or with any other crop having established tolerances for all five active ingredients: broflanilide, pyraclostrobin, fluxapyroxad, triticonazole, and metalaxyl.
- 30 day minimum waiting period or plant back interval for a crop with tolerance to fluxapyroxad but without tolerances to one or more of the other active ingredients, except for leafy vegetables (60-day PBI).
- 12 month plant back interval for a crop without tolerance to fluxapyroxad, regardless of whether it has tolerances for the remaining active ingredients.
- No minimum waiting period or plant back interval before planting a cover crop without one or more of these tolerances for purposes of erosion control or soil improvement; however, the crop may not be grazed or harvested for food or feed.

TREATED SEED BAG LABELING

Seed treated with **Teraxxa™ F4 seed treatment** is not for sale, distribution, or use in Nassau and Suffolk counties in New York State.

Seed treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag.

- This seed has been treated with **Teraxxa F4** containing broflanilide, pyraclostrobin, fluxapyroxad, triticonazole, and metalaxyl.
- **DO NOT** use treated seed for food, feed, or oil purposes. Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed. When opening this bag or handling (e.g., loading, pouring) treated seed, wear:
 - long pants
 - long-sleeved shirt
 - shoes and socks
 - chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils

(continued)

TREATED SEED BAG LABELING *(continued)*

- **DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.
EXCEPTION: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. Treated seed exposed on soil surfaces may be hazardous to wildlife.
 - Plant into the soil to at least the minimum depth to minimize exposure.
 - Cover or collect spillage during loading and planting, in particular at row ends and field corners.
 - Dispose of excess by burying seed away from bodies of water.
- **DO NOT** contaminate bodies of water when disposing of planting equipment washwater.
- This product is toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturing recommendations to minimize seed coat abrasion during planting to reduce dust, which can drift to blooming crops or weeds.
- Dispose of seed packaging or containers in accordance with local requirements.
- Excess treated seed may be used for ethanol production only if:
 - By-products are not used for livestock feed.
 - No measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

In the event of crop failure or harvest of a crop grown from this seed:

- No minimum waiting period or plant back interval before replanting the field with a small grain crop registered for this product (e.g., wheat (all types), barley, millet, oats, rye, sorghum, and triticale) or with any other crop having established tolerances for all five active ingredients: broflanilide, pyraclostrobin, fluxapyroxad, triticonazole, and metalaxyl.
- 30 day minimum waiting period or plant back interval for a crop with tolerance to fluxapyroxad but without tolerances to one or more of the other active ingredients, except for leafy vegetables (60-day PBI).
- 12 month plant back interval for a crop without tolerance to fluxapyroxad, regardless of whether it has tolerances for the remaining active ingredients.
- No minimum waiting period or plant back interval before planting a cover crop without one or more of these tolerances for purposes of erosion control or soil improvement; however, the crop may not be grazed or harvested for food or feed.

Teraxxa™ F4 seed treatment Crop-specific Use Directions

Small Grains

Pests	Rate/Weight Seed	
	fl ozs/100 lbs seed (lb ai/100 lbs seed)	mL/100 Kg seed (grams ai/100 Kg seed)
Insects Controlled Wireworms		
Diseases Controlled Common bunt <i>Tilletia caries</i> Common root rot <i>Cochliobolus</i> spp. Covered smut <i>Ustilago hordei</i> Dry seed decay <i>Penicillium</i> spp. False loose smut <i>Ustilago nigra</i> Flag smut <i>Urocystis agropyri</i> Fusarium seed rot, Fusarium seedling blight <i>Fusarium</i> spp. Loose smut <i>Ustilago avenae</i> Pythium damping off <i>Pythium</i> spp. Rhizoctonia root rot <i>Rhizoctonia solani</i> True loose smut <i>Ustilago nuda</i>	4.6 (0.021)	300 (20.5)
Suppression of: Fusarium crown rot, Fusarium root rot <i>Fusarium</i> spp.		

(continued)

Small Grains

(continued)

- **DO NOT** use treated seed for food, feed, or oil processing.
- **DO NOT** store **Teraxxa™ F4 seed treatment** near feed or foodstuffs.
- **DO NOT** contaminate feed or foodstuffs.
- **DO NOT** contaminate domestic or irrigation waters.
- **DO NOT** plant crops within 12 months after planting **Teraxxa F4**-treated seed unless permitted according to the **TREATED SEED BAG LABELING**.
- **DO NOT** use the same auger or seed treatment equipment for treating seed that will handle commercial or feed grains unless these have been thoroughly cleaned.
- **DO NOT** store leftover treated seed where there is a chance of it becoming mixed with untreated seed. Store treated seed in cool, dry conditions.
- **DO NOT** apply more 0.0445 lb broflanilide per acre per application and/or per year total, including seed treatment (when applicable) and soil application.

Detailed Crop List - wheat* (all types), barley*, millet*, oats*, rye*, sorghum*, and triticale*

* 16,000 seeds/lb (average)

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as the presence of other or untested or unapproved materials, seed of low quality or low vigor or low germination, use of the product in a manner inconsistent with its labeling, misapplication of the product, or weather conditions at planting or environmental conditions during seed storage, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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